



# Digital / Multimedia

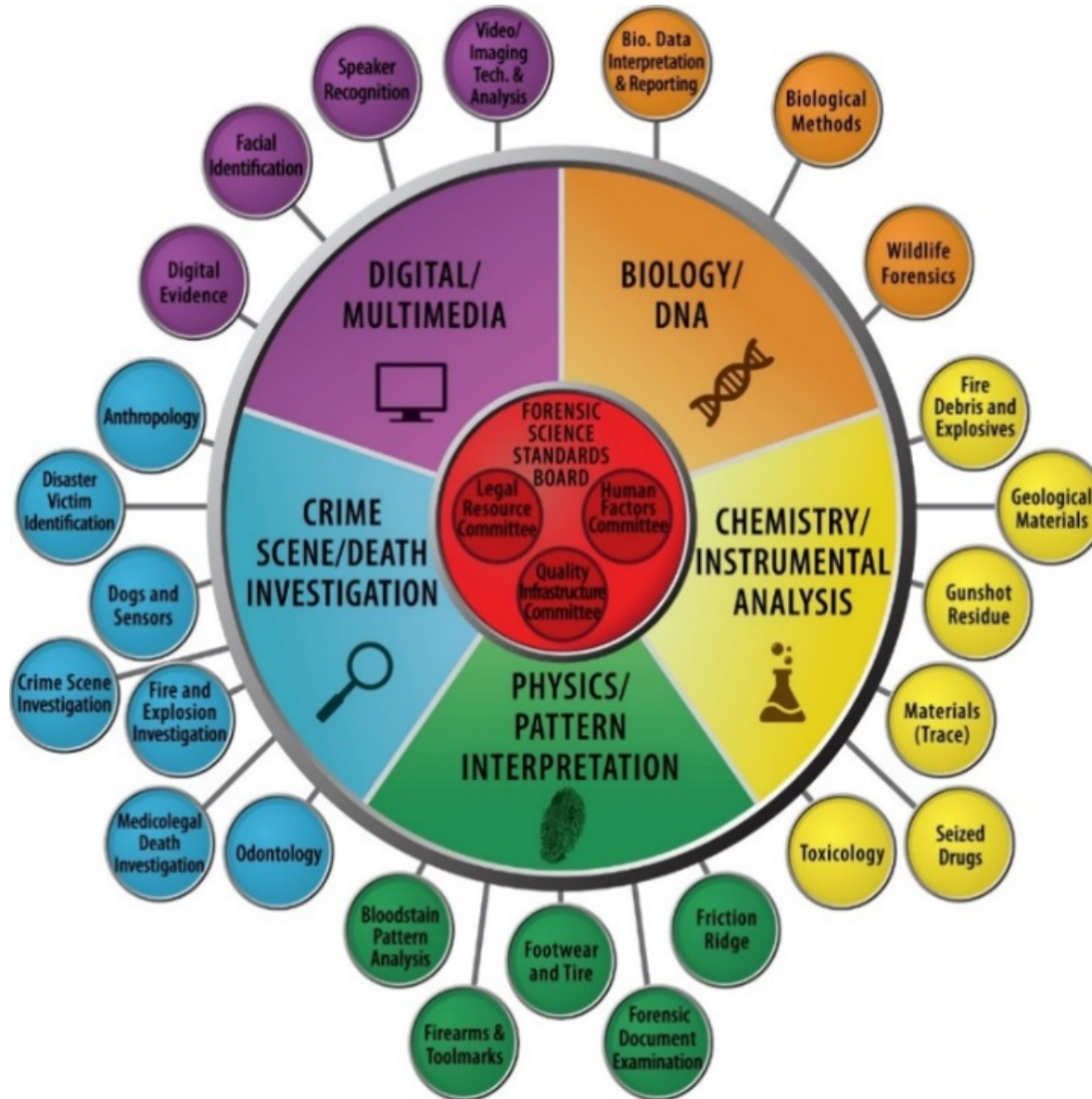
Richard W. Vorder Bruegge, Ph.D.

Digital/Multimedia SAC Chair

Federal Bureau of Investigation

February 13, 2017





# Digital / Multimedia SAC Leadership

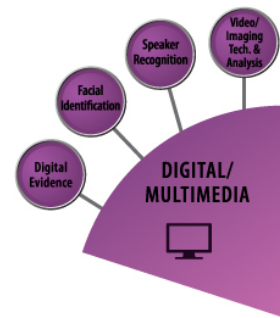
Position	Name	Organization	Term	Email
Chair	Richard W. Vorder Bruegge	Federal Bureau of Investigation	2018	<a href="mailto:richard.vorderbruegge@ic.fbi.gov">richard.vorderbruegge@ic.fbi.gov</a>
Vice Chair	Lam D. Nguyen	Mandiant	2018	<a href="mailto:lam@gotolam.com">lam@gotolam.com</a>
Executive Secretary	Eoghan Casey	MITRE	2018	<a href="mailto:ecasey@mitre.org">ecasey@mitre.org</a>

# Digital / Multimedia SAC Members

#	Name	Organization	Term	Email
1	Abhyuday Mandal	University of Georgia	2018	<a href="mailto:amandal@stat.uga.edu">amandal@stat.uga.edu</a>
2	Lawrence M. Solan	Brooklyn Law School	2019	<a href="mailto:larry.solan@brooklaw.edu">larry.solan@brooklaw.edu</a>
3	Eoghan Casey	MITRE	2018	<a href="mailto:ecasey@mitre.org">ecasey@mitre.org</a>
4	Michael L. Piper	Target Corporation	2017	<a href="mailto:michael.piper@target.com">michael.piper@target.com</a>
5	Douglas S. Lacey	BEK TEK LLC	2016	<a href="mailto:doug@bekteklc.com">doug@bekteklc.com</a>
6	Samuel Liles	US Army Corps of Engineers Headquarters	2017	<a href="mailto:Samuel.P.Liles.Civ@mail.mil">Samuel.P.Liles.Civ@mail.mil</a>
7	John S. Garofolo	NIST	2018	<a href="mailto:John.Garofolo@NIST.gov">John.Garofolo@NIST.gov</a>
8	Mark M. Pollitt	Retired	2019	<a href="mailto:mark@digitalevidencepro.com">mark@digitalevidencepro.com</a>
9	Lam D. Nguyen	Mandiant	2018	<a href="mailto:lam@gotolam.com">lam@gotolam.com</a>
10	James L. Wayman	San Jose State University	2019	<a href="mailto:James.Wayman@sjsu.edu">James.Wayman@sjsu.edu</a>
11	Richard W. Vorder Bruegge	Federal Bureau of Investigation	2018	<a href="mailto:richard.vorderbruegge@ic.fbi.gov">richard.vorderbruegge@ic.fbi.gov</a>
12	James Darnell	U.S. Secret Service	2019	<a href="mailto:james.darnell@uss.s.dhs.gov">james.darnell@uss.s.dhs.gov</a>
13	Lora S. Sims	Ideal Innovations Inc	2018	<a href="mailto:lora.sims@idealinnovations.com">lora.sims@idealinnovations.com</a>
14	Joseph P. Campbell	MIT Lincoln Laboratory	2019	<a href="mailto:jpc@ll.mit.edu">jpc@ll.mit.edu</a>
15	Carl Kriigel	U.S. Army Criminal Investigation Laboratory, Defense Forensic Science Center	2017	<a href="mailto:Carl.kriigel@gmail.com">Carl.kriigel@gmail.com</a>

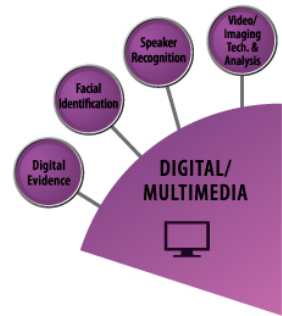
# Digital / Multimedia SAC

- Subcommittees
  - Facial Identification
  - Speaker Recognition
  - Video/Imaging Technology & Analysis
  - Digital Evidence
- Solid foundation of documents for all derived from Scientific Working Groups and others
  - QIC identified over 80 relevant documents
  - Some have been through an SDO (e.g., ASTM, ISO...)



# Digital / Multimedia SAC: Foundational Concepts

- Define the Discipline\*
- Terminology\*
- Professional Qualifications
- Accreditation\*
- Gap Analysis/Research Agenda
- Sample Identification and Collection
- Validation
  - Methods, tools, people
- Documentation
- Conclusion Scales\*
- Interpretation of Results
- Human Factors
- Automated Systems



# Digital / Multimedia SAC

- Some Key DMSAC & OSAC Challenges:
  - Scientific Paradigm for Digital/Multimedia Forensics
  - Accreditation
  - Conclusion Scales – Coordinate with P/PESAC
  - Terminology – Discipline-specific vs. Global
  - Error Rates through Testing Examiners
  
- Not a 1-, 2-, or 5-year project...nor is it without cost.

